

## ABSTRACT

The present invention includes a first conductor line connected to one end of an optical semiconductor element (20), and supplying an electric signal to this optical semiconductor element (20); a second 5 conductor line connected to the other end of the optical semiconductor element (20), and supplying an electric signal to this optical semiconductor element (20); a first inductance element (21a) connected to the one end of the optical semiconductor element (20), and cutting off the electric signal at a high frequency; and a second inductance 10 element (21b) connected to the other end of the optical semiconductor element (20), and cutting off the electric signal at the high frequency, wherein the first and the second conductor lines constitute differential lines.